

## CLAIMS

1. A compact automatic motion control photographing device comprising:  
a camera fastening device supported rotatably to at least a single direction;  
a servo motor for producing a driving force for rotating the camera fastening device; and  
a driving force transmitting mechanism for transmitting the driving force produced by the servo motor to the camera fastening device, wherein:  
the camera fastening device is rotated towards a single direction and is stopped every time the camera fastening device has rotated by a predetermined quantity of rotation, so as to perform photographing using a camera fastened to the camera fastening device.
2. A compact automatic motion control photographing device as claimed in claim 1, wherein the driving force transmitting mechanism is coupled with a timing belt.
3. A compact automatic motion control photographing device comprising:  
a camera fastening device which is rotatably supported;  
a servo motor for producing a driving force for rotating the camera fastening device; and  
a control unit for:  
measuring a direction and a quantity of rotation from a reference position of a driving shaft of the servo motor when a power source is supplied to the servo motor, based on measured results of a rotational quantity measuring device, and  
rotating the driving shaft so as to make the driving shaft return to the

reference position, in accordance with the measured direction and quantity of rotation..